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| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER 37888-400200 U.S. APPLICATION NO. (if known, see 37 CFR 1.6) 10/563,792 PRIORITY DATE CLAIMED 22 August 2003 (22.08.2003) |
| INTERNATIONAL APPLICATION NO. PCT/JP2004/000487 | INTERNATIONAL FILING DATE 18 August 2004 (18.08.2004) | PRIORITY DATE CLAIMED 22 August 2003 (22.08.2003) |
| TITLE OF INVENTION METHOD AND EQUIPMENT FOR FIRE-FIGHTING | | |
| APPLICANT(S) FOR DO/EO/US Esa PELTOLA; Mikko ASUMANIEMI | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| 1. <input type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (8), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). | | |
| Items 11 to 20 below concern document(s) or information included: | | |
| 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98, PTO/SB/08A form and copy of PCT International Search Report. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.26 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). | | |

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| | | | | | |
|---|--------------|---|---------|--|--------------|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/568,792 | | INTERNATIONAL APPLICATION NO. PCT/TI2004/000487 | | ATTORNEY'S DOCKET NUMBER 37888-400200 | |
| 20. Other items or information: a) Copy of cited foreign patents, publications or other information | | | | | |
| The following fees have been submitted | | | | CALCULATIONS | PTO USE ONLY |
| 21. <input type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300 | | | | \$ | |
| 22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c))..... \$ | | | | \$ | |
| If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200 | | | | | |
| 23. <input type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$600 | | | | \$ | |
| TOTAL OF 21, 22 and 23 = | | | | | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 500 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | | |
| - 100 = | /50 = | | x \$250 | \$ | |
| Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)). | | | | \$ | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | \$ | |
| Total claims | - 20 = | | x \$ 50 | \$ | |
| Independent claims | - 3 = | | x \$200 | \$ | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$360 | \$ | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/3. | | | | | |
| SUBTOTAL = | | | | \$ | |
| Processing fee of \$130.00 for furnishing the English translation later than 39 months from the earliest claimed priority date (37 CFR 1.492(i)). | | | | \$ | |
| TOTAL NATIONAL FEE = | | | | \$ | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.26, 3.31). \$40.00 per property | | | | \$ | |
| TOTAL FEES ENCLOSED = | | | | \$ | |
| | | | | Amount to be refunded: | \$ |
| | | | | Amount to be charged | \$ 0 |

- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-1351. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

The address associated with Customer No. 27717.

SIGNATURE

TIMOTHY J. KEEFER

NAME

35,567

REGISTRATION NUMBER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Peltola et al

Examiner: n/a

Serial No.: 10/568,792

Art Unit: n/a

Filed: February 17, 2006

For: METHOD AND EQUIPMENT FOR FIRE-FIGHTING

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir

With regard to the above-identified application, pursuant to 37 C.F.R. §1.56, the item of information listed on the enclosed Form PTO/SB/08A is brought to the attention of the Examiner.

The undersigned certifies that several items of information contained in the information disclosure statement was cited during prosecution of the corresponding International Patent Application PCT/FI2004/000487. The relevance of the references are as indicated in the attached PCT International Search Report.

The undersigned certifies that the remaining items of information contained in the information disclosure statement were also cited in a communication mailed from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.

A list of the patent(s) or publication(s) is set forth on the attached Form PTO/SB/08A. In accordance with 37 C.F.R. §1.98(2)(i), a copy of each foreign patent listed on Form PTO/SB/08A, if any, is enclosed herewith.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such. The filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR § 1.56(a) exists.

Pursuant to the provisions of MPEP 609, it is requested that the Examiner return a copy of the attached Form PTO/SB/08A, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

This Information Disclosure Statement, as far as is known to the undersigned, is filed before the mailing date of a first Office Action on the merits. Applicant believes no fees are required with this submission. However, the Commissioner is hereby authorized to charge any deficiency deemed necessary to Deposit Account No. 19-1351.

Date: _____

5/19/06

Respectfully submitted,

By: _____



Timothy J. Keefer
Reg. No. 35,567
Attorney for Applicant

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| | | |
|---|--|---|
| Applicant's or agent's file reference 2031167PC/or | FOR FURTHER ACTION <small>see Form PCT/ISA/210 as well as, where applicable, Item 5 below.</small> | |
| International application No. PCT/FI 2004/000487 | International filing date (day/month/year) 18 August 2004 | (Earliest) Priority Date (day/month/year) 22 August 2003 |
| Applicant Bronto Skylift OyAb et al | | |

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (see Box No. II)

3. ☐ Unity of invention is lacking (see Box No. III)

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000487

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A62C 2/08, A62C 31/02, B05B 1/04, A62C 31/22, A62C 27/00, A62C 39/00
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A62C, B05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, FULLTEXT

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| P,X | EP 1369145 A1 (BRONTO SKYLIFT OY AB), 10 December 2003 (10.12.2003), figures 1,8, claims 1-11, column 6 paragraph (0024) - column 7 (0025) --- | 1-13 |
| A | US 5301756 A (ROBERT G. RELYEA ET AL), 12 April 1994 (12.04.1994), column 3, line 27 - line 58, figures 12-14, claims 1-3 --- | 1-3 |
| A | US 2993650 A (H.W. BADBERG), 25 July 1961 (25.07.1961), column 1, line 6 - line 33, figures 4-6, claim 1 --- | 1-13 |

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents

"A" document defining the general state of the art which is not considered to be of particular relevance

"B" earlier application or patent but published on or after the international filing date

"L" document which may throw doubt on priority date(s) or which is cited to establish the publication date of another citation or other special reasons (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"Z" document member of the same patent family

Date of the actual completion of the international search

16 November 2004

Date of mailing of the international search report

23-11-2004

Name and mailing address of the ISA/

Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

Facsimile No. +46 8 666 02 86

Authorized officer

Beate Slusarczyk/Els

Telephone No. +46 8 782 25 00

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| A | US 5253716 A (WALLACE F. MITCHELL), 19 October 1993 (19.10.1993), column 1, line 49 - column 3, line 68, figures 1-2,6, claims 1-3 -- | 1-13 |
| A | US 5913367 A (LAWRENCE M. HAMPTON), 22 June 1999 (22.06.1999), column 4, line 9 - line 60, figures 1,2, claims 1-3, abstract -- | 1-13 |
| A | US 4485877 A (STEWART G. MCMILLAN ET AL), 4 December 1984 (04.12.1984), column 1, line 14 - line 68, figures 8-9 -- | 1-13 |
| A | File EP000C/EPO, ZHANG LIGUO: "Water curtain device for fire-fighting", CN,20020135284, 20020726, see fig. 1, abstract -- ----- | 1-13 |

INTERNATIONAL SEARCH REPORT
Information on patent family members

30/10/2004

International application No.
PCT/FI 2004/000487

| | | | | | | |
|----|---------|----|------------|------|---------------|------------|
| EP | 1369145 | A1 | 10/12/2003 | FI | 113623 B | 00/00/0000 |
| | | | | FI | 20021060 A | 04/12/2003 |
| | | | | US | 6755259 B | 29/06/2004 |
| | | | | US | 20030230414 A | 18/12/2003 |
| US | 5301756 | A | 12/04/1994 | CA | 2067649 A,C | 02/01/1993 |
| | | | | US | 5211245 A | 18/05/1993 |
| US | 2993650 | A | 25/07/1961 | NONE | | |
| US | 5253716 | A | 19/10/1993 | NONE | | |
| US | 5913367 | A | 22/06/1999 | NONE | | |
| US | 4485877 | A | 04/12/1984 | NONE | | |

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

1

Complete if Known

| | |
|------------------------|--------------|
| Application Number | 10/588,792 |
| Filing Date | 02/17/2006 |
| First Named Inventor | Esa Peltola |
| Group Art Unit | n/a |
| Examiner Name | n/a |
| Attorney Docket Number | 37888-400200 |

U.S. PATENT DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|---------------------|-----------------------|--|--------------------------------|---|---|
| | | Number/Kind Code ² (if known) | | | |
| | A1 | US-2993050A | 07-25-1961 | Hadberg | |
| | A2 | US-4485677A | 12-04-1984 | McMillan et al | |
| | A3 | US-5125579A | 08-30-1992 | Eggert | |
| | A4 | US-5263716A | 10-16-1993 | Mitchell | |
| | A5 | US-5301786A | 04-12-1994 | Relyea et al | |
| | A6 | US-5913367A | 06-22-1999 | Hampton | |
| | A7 | US- | | | |
| | A8 | US- | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | Ts |
|---------------------|-----------------------|--|--------------------------------|---|---|----|
| | | Country Code ³ Number/Kind Code ² (if known) | | | | |
| | B1 | EP1369146A1 | 12-10-2003 | Bentley Skylift Oy Ab | | |
| | B2 | CN20020155234 | 07-26-2002 | Zhang Liguo | | |
| | B3 | JP2005260223A | 03-04-2005 | Kajima Corp. et al | | |
| | B4 | | | | | |
| | B5 | | | | | |
| | B6 | | | | | |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published. | Ts |
|---------------------|-----------------------|---|----|
| | | | |
| | C1 | | |
| | C2 | | |
| | C3 | | |

Examiner
SignatureDate
Considered

EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique station designation number (optional). 2 See Kind Code of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 6/Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.10 if possible. 6 Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22315-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22315-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.